

FIG. 1

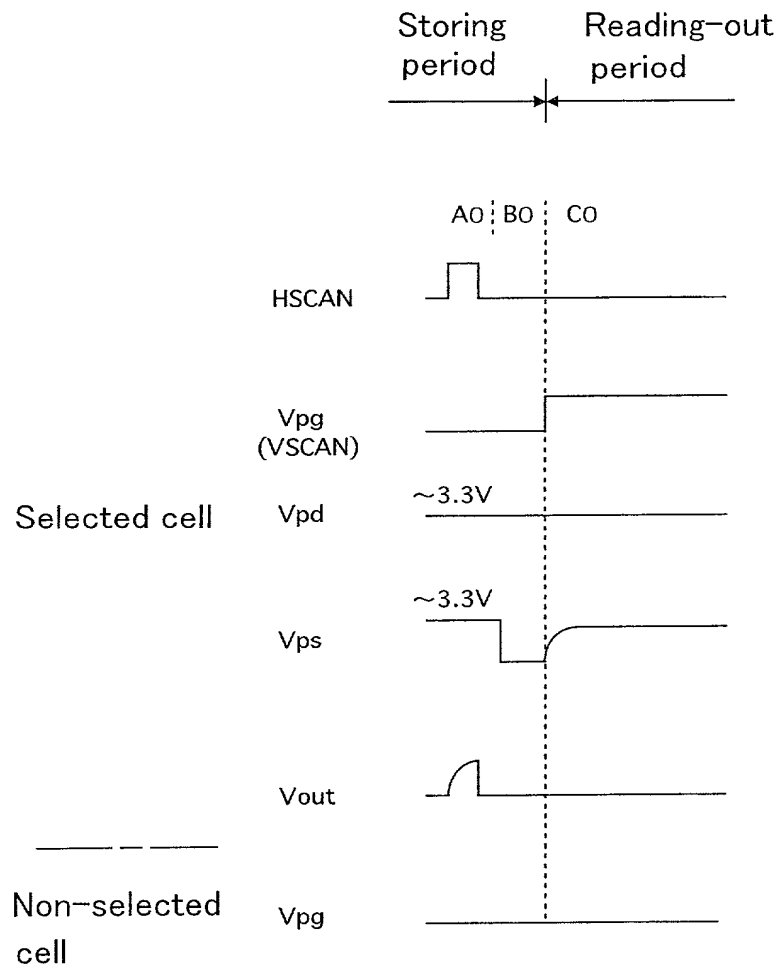


FIG. 2

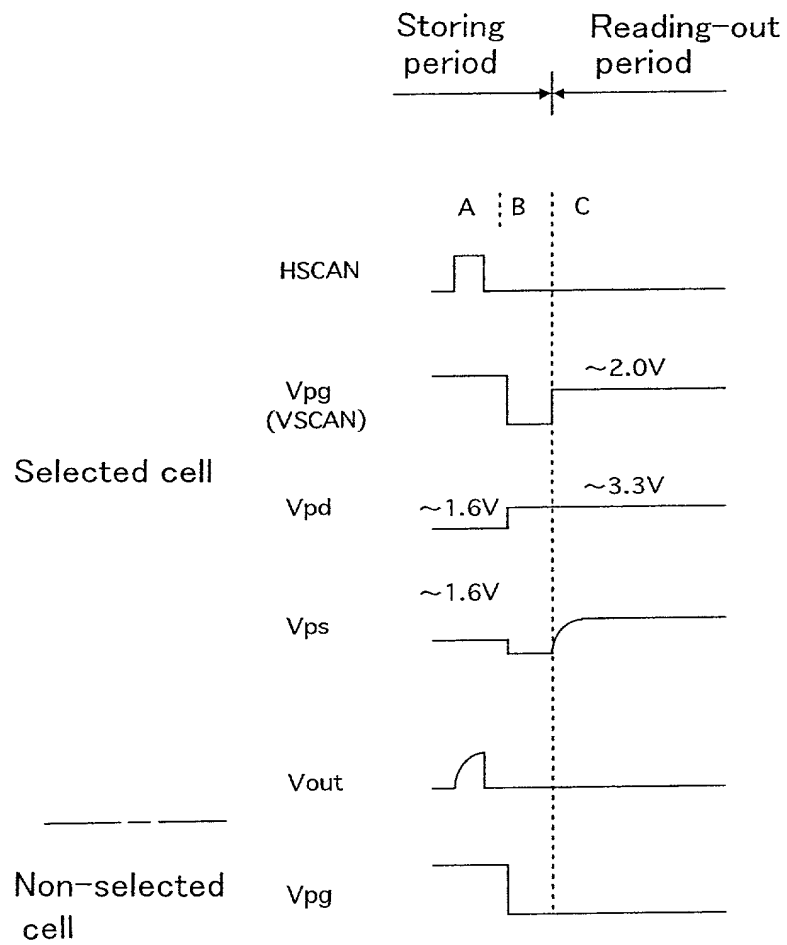


FIG. 3A

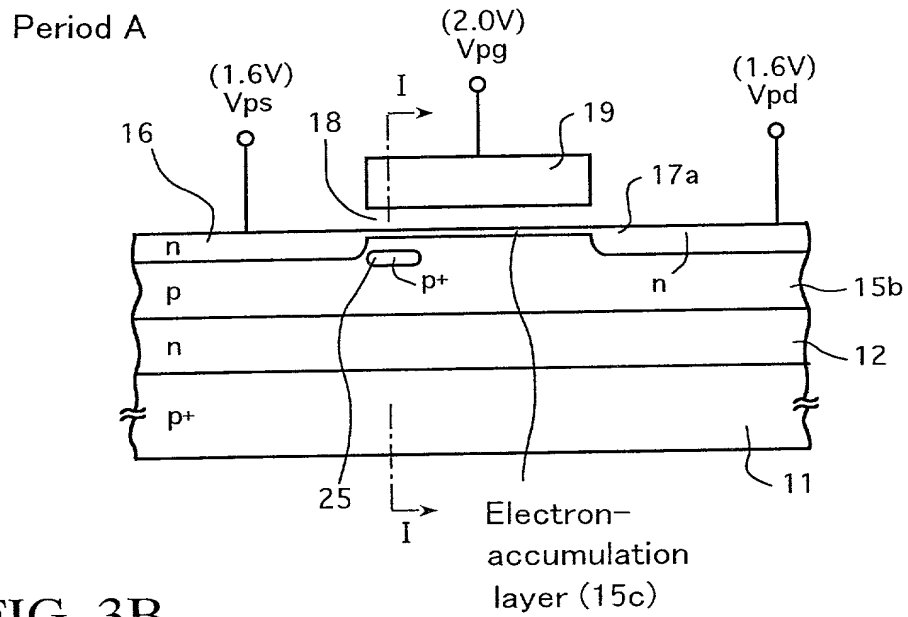


FIG. 3B

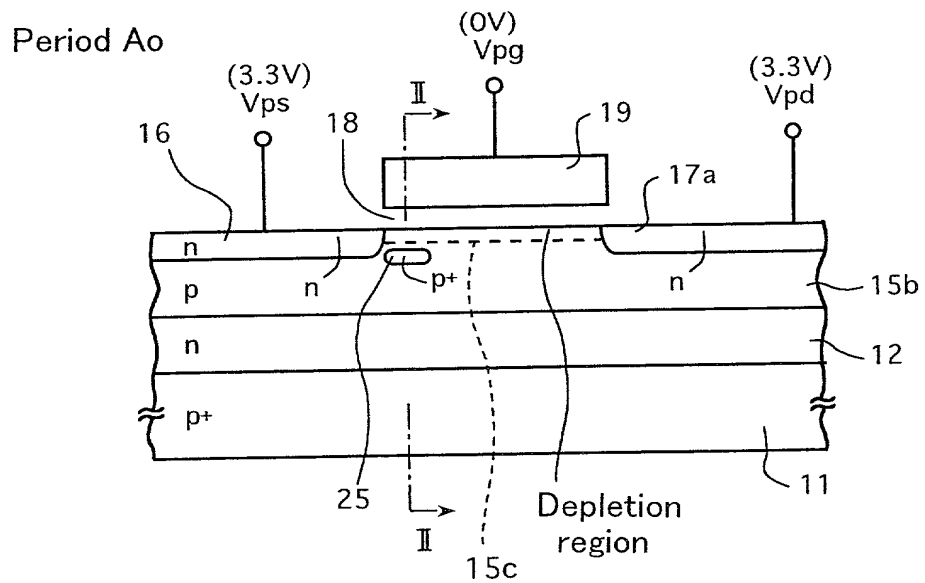


FIG. 4A

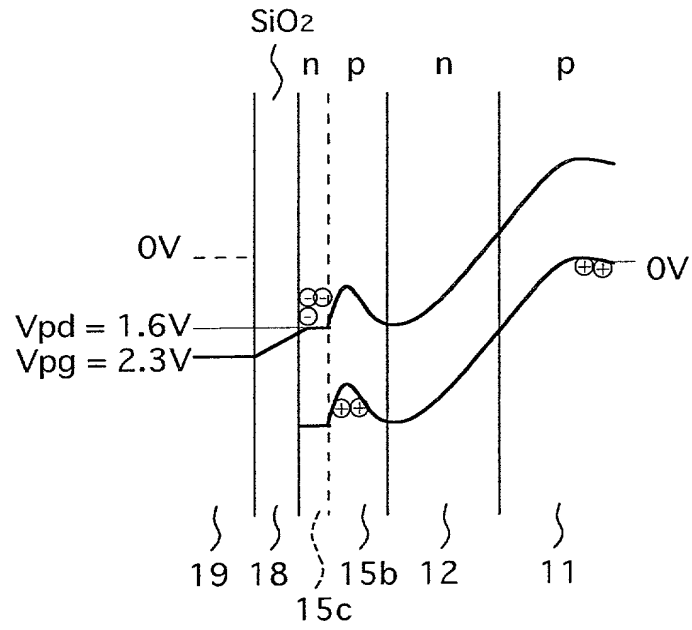


FIG. 4B

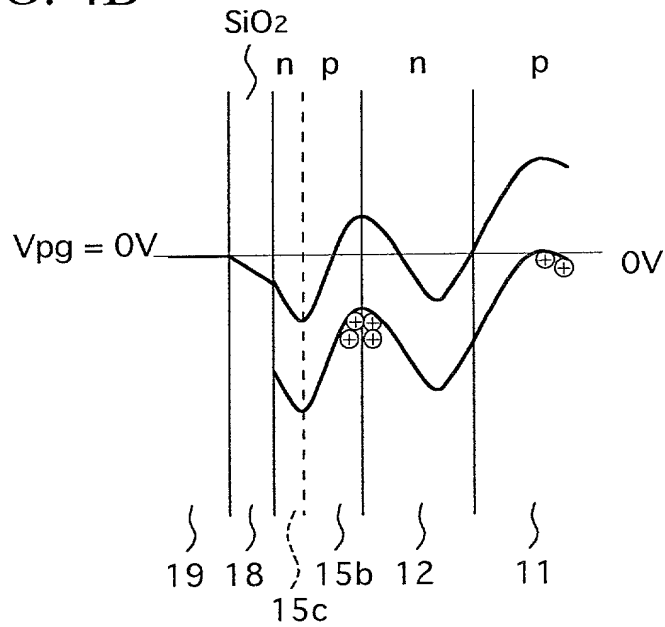


FIG. 5

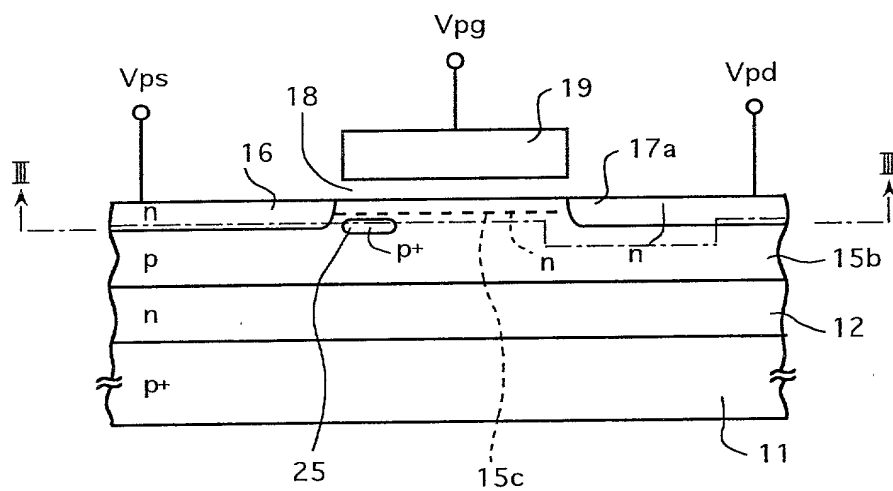


FIG. 6A

Period A

$$V_{pg} = 2.5V$$

$$V_{ps} = 1.6V$$

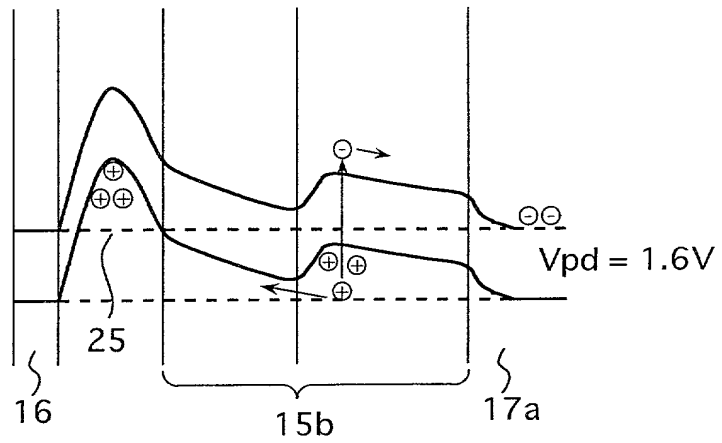


FIG. 6B

Period B

$$V_{pg} = 0V$$

$$V_{ps} = 0V$$

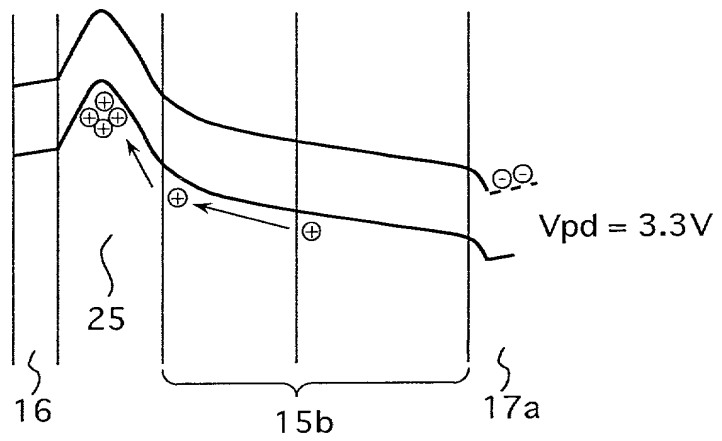


FIG. 6C

Period C

$$V_{pg} = 2V$$

$$V_{ps} = V_{th}$$

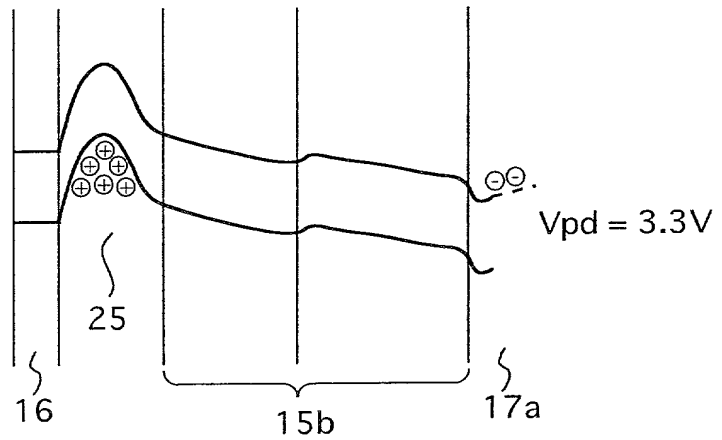


FIG. 7

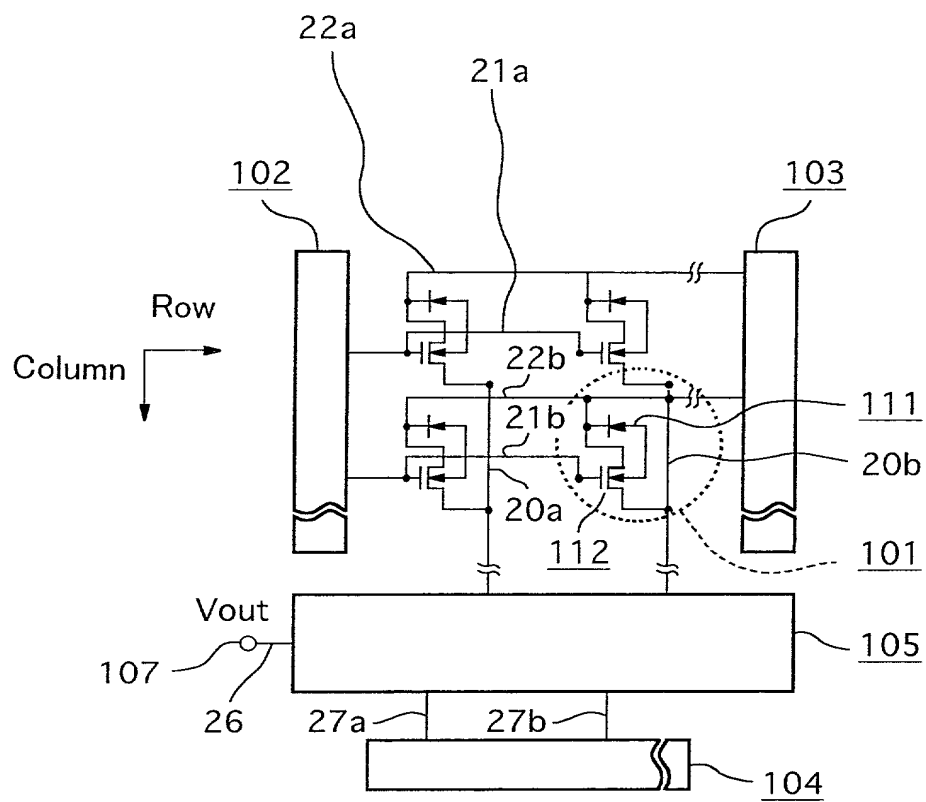


Table 1. Demographic characteristics of the study population	
Age (years)	65.2 ± 1.2
Gender (male/female)	102/108
Education (years)	12.5 ± 0.5
Marital status (married/divorced/widowed)	150/30/20
Occupation (retired/working)	150/30
Income (USD/month)	1,200 ± 100
Smoking status (smoker/non-smoker)	40/160
Alcohol consumption (yes/no)	20/180
Comorbidities (hypertension/diabetes/cholesterol)	80/40/60
Medication (antihypertensive/antidiabetic/anticholesterol)	80/40/60
Physical activity (regular/irregular)	100/100
Stress level (high/low)	50/130
Quality of life (SF-36 score)	45.0 ± 5.0
Health status (good/fair/poor)	120/40/40
Life expectancy (years)	15.0 ± 2.0
Healthcare utilization (hospitalizations/visits)	10/100
Health insurance (yes/no)	180/20
Health literacy (high/low)	100/80
Health beliefs (positive/negative)	120/60
Health behaviors (healthy/unhealthy)	100/80
Health outcomes (mortality/morbidity)	10/100
Health equity (yes/no)	180/20
Health justice (yes/no)	180/20
Health access (yes/no)	180/20
Health distribution (yes/no)	180/20
Health participation (yes/no)	180/20
Health empowerment (yes/no)	180/20
Health accountability (yes/no)	180/20
Health transparency (yes/no)	180/20
Health responsiveness (yes/no)	180/20
Health effectiveness (yes/no)	180/20
Health efficiency (yes/no)	180/20
Health equity (yes/no)	180/20
Health justice (yes/no)	180/20
Health access (yes/no)	180/20
Health distribution (yes/no)	180/20
Health participation (yes/no)	180/20
Health empowerment (yes/no)	180/20
Health accountability (yes/no)	180/20
Health transparency (yes/no)	180/20
Health responsiveness (yes/no)	180/20
Health effectiveness (yes/no)	180/20
Health efficiency (yes/no)	180/20
Health equity (yes/no)	180/20
Health justice (yes/no)	180/20
Health access (yes/no)	180/20
Health distribution (yes/no)	180/20
Health participation (yes/no)	180/20
Health empowerment (yes/no)	180/20
Health accountability (yes/no)	180/20
Health transparency (yes/no)	180/20
Health responsiveness (yes/no)	180/20
Health effectiveness (yes/no)	180/20
Health efficiency (yes/no)	180/20
Health equity (yes/no)	180/20
Health justice (yes/no)	180/20
Health access (yes/no)	180/20
Health distribution (yes/no)	180/20
Health participation (yes/no)	180/20
Health empowerment (yes/no)	180/20
Health accountability (yes/no)	180/20
Health transparency (yes/no)	180/20
Health responsiveness (yes/no)	180/20
Health effectiveness (yes/no)	180/20
Health efficiency (yes/no)	180/20
Health equity (yes/no)	180/20
Health justice (yes/no)	180/20
Health access (yes/no)	180/20
Health distribution (yes/no)	180/20
Health participation (yes/no)	180/20
Health empowerment (yes/no)	180/20
Health accountability (yes/no)	180/20
Health transparency (yes/no)	180/20
Health responsiveness (yes/no)	180/20
Health effectiveness (yes/no)	180/20
Health efficiency (yes/no)	180/20
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Health efficiency (yes/no)	180/20
Health equity (yes/no)	180/20
Health justice (yes/no)	

